

FIG. 1

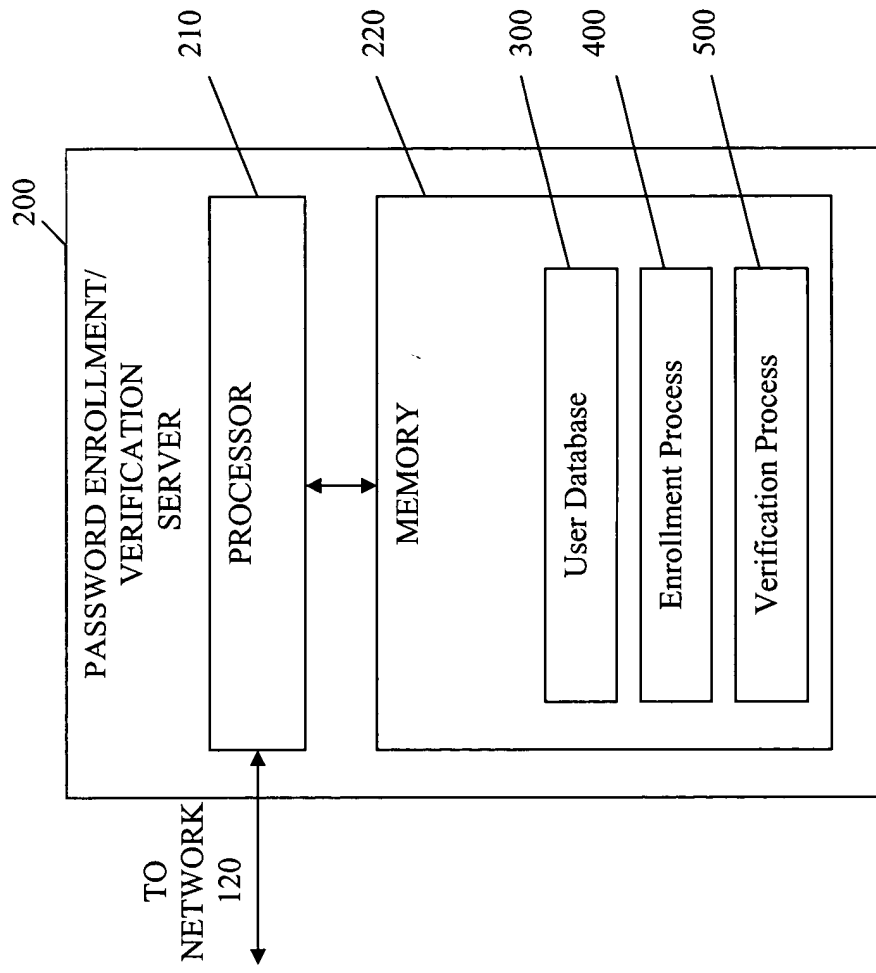


FIG. 2

USER DATABASE -- 300

	USER NAME 330	PASSWORD (ANSWER) 340	REINFORCEMENT (HINT) 350
305	John Smith	732-555-1212	Mandy's Phone Number
310	...		
315	Jon Bentley	People: Father, Mother, Sister, Brother Car: Blue 1965 Mustang Trip: From Home to Fresno via Highway	Sandy Koufax's Perfect Game
320	Jill Doe	12/12/68	Fido's Owner's Birthday

FIG. 3

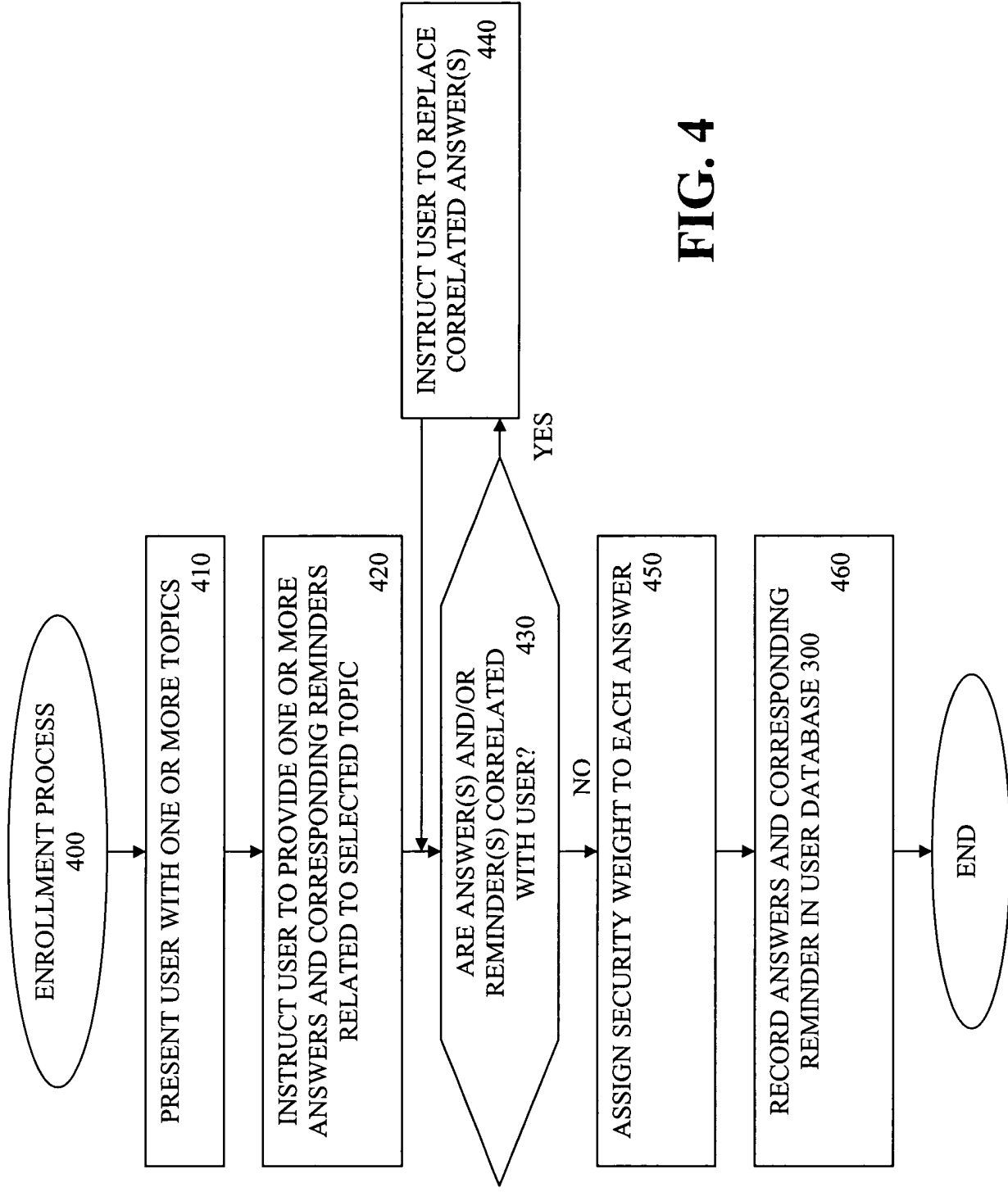


FIG. 4

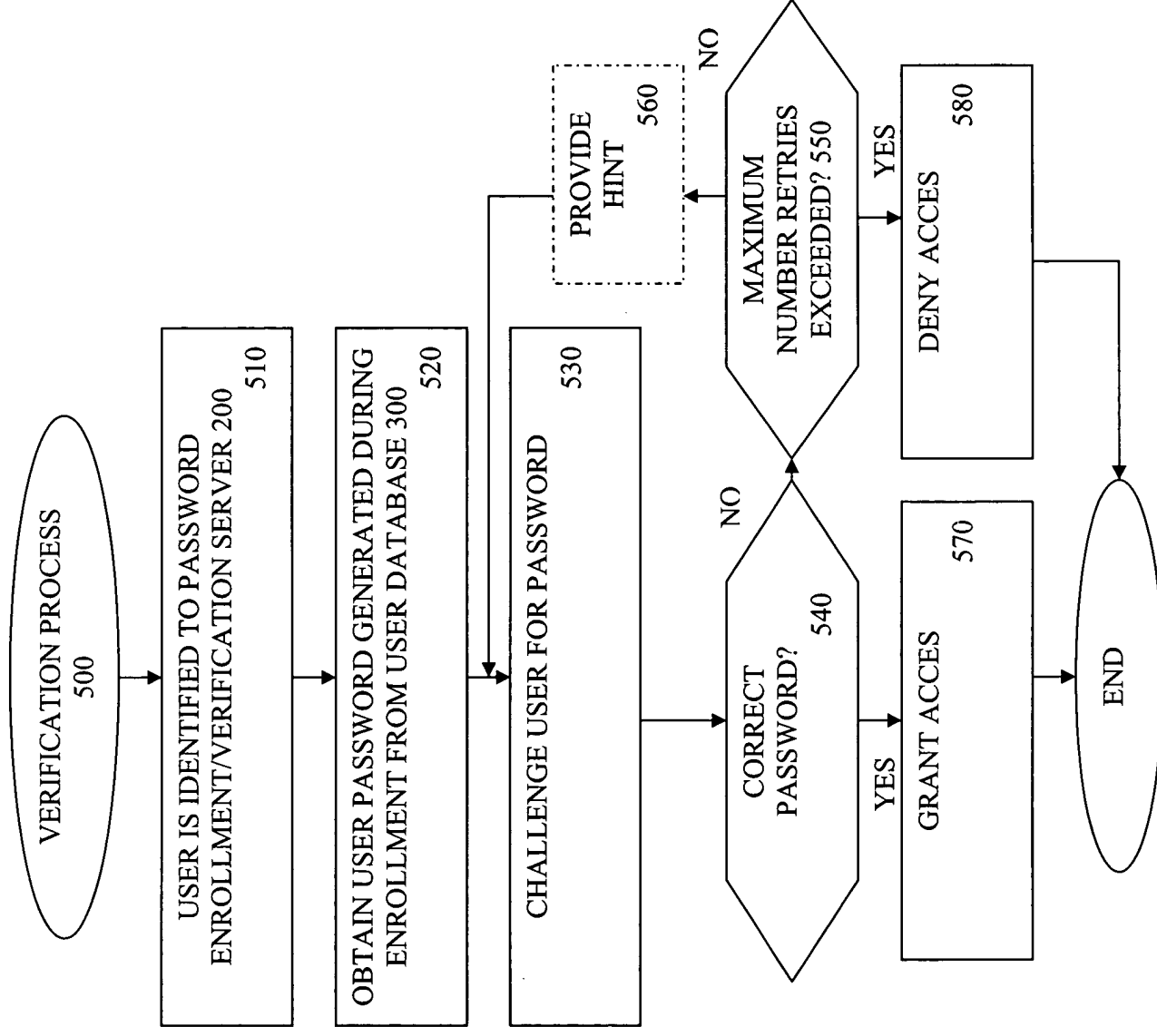


FIG. 5

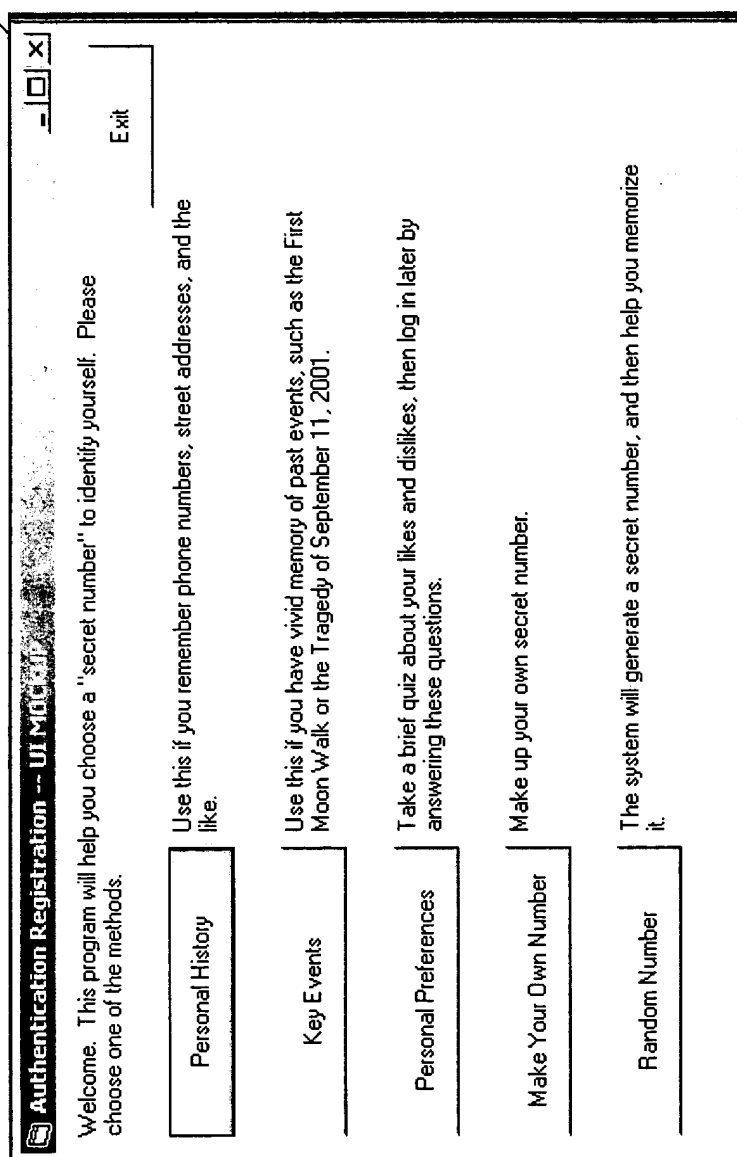


FIG. 6

FIG. 7

710

700

Personal History	
Try to find numbers that you know very well, yet are hard for attackers to discover.	
Phone Numbers	Try this if you know many phone numbers.
Street Addresses	Try this if you know street numbers, zip codes, or PO Box numbers.
Dates	Try this if you know important personal dates.
Numbers from Facts	Try this if you know numbers such as the length, width or height of certain objects.
Identification Numbers	Try this if you once memorized an ID number that you no longer use. (Warning: Social Security numbers are not accepted.)
Other Numbers	Try this for other numbers, such as model numbers, scores of sports events, etc.

FIG. 8

800

Phone Numbers

Try for a phone number that you know well but is hard to guess. Bad candidates that are easy to discover include

- your home phone number
- the phone number of a family member with your last name

Good candidates include

- your childhood phone number
- phone numbers of old friends

Please type a candidate phone number below.

Potential Phone Number: 908-555-1212

/

810

Evaluate

820

Exit

Phone Number Text - [] [X]

Try to find a reminder that is easy for you to recognize yet hard for others to guess. Bad reminders that could help an attacker include

Fred Jones in Boca Raton
my brother in Aspen

Good reminders mean a lot to you, but little to other people:
Fluffy and Rover's house (pets' names)
Susie and Jimmy's old house (children's names)

If you can think of a good reminder, type it in below and press Evaluate.
If you need help, press for assistance.

Phone Number: 732-555-1212

Potential Reminder: Mandy's Phone Number

Tests passed: 910 Evaluate 920

If you are comfortable with this reminder, proceed to the next step.
If you are not comfortable, try another reminder.

Finish the Process

Exit

FIG. 9

Registration Completion

Secret Number: 732-555-1212

Reminder: Mandy's phone number

1010

1020

Many people find it easier to remember their secrets if they receive periodic reminders. Please indicate below what, if any, reminders you wish to receive.

E-Mail Reminders

E-Mail Address:

user@mail.adr

Frequency of Reminders

☐ Weekly
☒ Monthly
☐ None

☐ Check here to receive the secret number along with the reminder.

Telephone Reminders

Telephone Number:

Frequency of Reminders

☐ Weekly
☐ Monthly
☒ None

☐ Telephone reminders do not give your secret numbers.

Exit

Done

FIG. 10

1100

Authentication Registration -- UI Mockup

Exit

Welcome. This program will help you to select and describe a scene from your distant past that is memorable and private yet not confidential. Please choose a category.

Public Event	Use this if you have vivid memories of your surroundings during a public event, such as the First Moon Walk or the Tragedy of September 11, 2001.
Accomplishment	Use this if you have vivid memories of a past accomplishment, such as learning to swim, learning to drive a car, your first time living away from home, or some other moment when you were "most truly yourself".
Celebration	Use this if you recall a pleasant celebration, such as a birthday party, a graduation party, a religious celebration (such as a First Communion or Bar Mitzvah), or a family holiday.
Childhood Friends	Use this if you recall a scene with your childhood friends.
School Days	Use this if you have vivid memories centering around your teachers and classes when you were in school.

1110

FIG. 11

1200

Key Event Selection

Some people have very vivid memories about where they were during important events. Click on any buttons for which you have strong personal memories.

1210-1

President Kennedy's Assassination

1210-2

President Nixon's Resignation

1210-3

The Challenger Explosion

1210-4

The First Moon Walk

1210-5

The 1980 USA Hockey Gold Medal

1210-6

The Tragedy of September 11, 2001

1210-N

Record Another Event

If you have vivid memories of other events, click the button below.

Exit

FIG. 12

1300

Key Event Details - | □ | X

Please answer any questions that you remember vividly.

When You First Heard the News

1310 Where
Where were you when you first heard about The Tragedy of September 11, 2001?
☐ Home ☐ Work ☐ School ☐ Car ☐ Public Place ☐ Other

1320 Who
With whom were you when you first heard about The Tragedy of September 11, 2001?
☐ Alone ☐ Family ☐ Friends ☐ Work Associates ☐ Strangers ☐ Other

1330 How
How did you first hear about The Tragedy of September 11, 2001?
☐ TV ☐ Radio ☐ Web ☐ Newspaper ☐ Phone Call ☐ Word of Mouth

FIG. 13

Details of Public Event

Please fill in (or correct) as many details as you vividly recall.

1410

Event Name:

Sandy Koufax's Perfect Game

1420

People Involved

Family members

My father

My mother

My sister

My brother

1430

About The Car

Color

Blue

Year

1965

Manufacturer

Ford

Model

Mustang

Style

Don't Recall

1440

From:

Home

To:

Fresno

Type of Road:

Highway

Exit

Proceed to the Next Step

FIG. 14

1520

FIG. 15